Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Hydrology 306 (2005) 318
Journal of Hydrology
www.elsevier.com/locate/jhydrol

Contents of Volume 306

Vol. 306, Nos. 1–4 **May 9, 2005**

Research Papers

Infiltration and soil water mixing on forested and harvested slopes during spring snowmelt, Turkey Lakes Watershed, central Ontario
C. D. Murray and J. M. Buttle 1
Determination of bacterial and viral transport parameters in a gravel aquifer assuming linear kinetic sorption and desorption
G. Mallén, P. Maloszewski, R. Flynn, P. Rossi, M. Engel and K.-P. Seiler 21
Monsoonal control on glacier discharge and hydrograph characteristics, a case study of Dokriani Glacier, Garhwal Himalaya, India
R. J. Thayyen, J. T. Gergan and D. P. Dobhal 37
Demonstration of microbial transport into the capillary fringe via advection from below the water table
A. M. Dunn, S. E. Silliman, S. Dhamwichukorn and C. F. Kulpa 50
Determination of soil hydraulic conductivity with the lattice Boltzmann method and soil thin-section technique
X. Zhang, L. K. Deeks, A. Glyn Bengough, J. W. Crawford and I. M. Young 59
Integration of various data sources for transient groundwater modeling with spatio-temporally variable fluxes—Sardon study case, Spain
M. W. Lubczynski and J. Gurwin 71
Hydraulic geometry of stream reaches
M. Stewardson 97
Dynamics of transmission losses in a large arid stream channel
J. Lange 112
Sensitivity and uncertainty analysis coupled with automatic calibration for a distributed watershed model
M. K. Muleta and J. W. Nicklow 127
Estimating playa lake flooding: Edwards Air Force Base, California, USA
R. H. French, J. J. Miller and C. R. Dettling 146
Hydrometeorological and landuse attributes of debris flows and debris floods during typhoon Toraji, July 29–30, 2001 in central Taiwan
J. D. Cheng, Y. C. Huang, H. L. Wu, J. L. Yeh and C. H. Chang. 161
Statistical precipitation downscaling in central Sweden with the analogue method
F. Wetterhall, S. Halldin and C.-y. Xu 174
Comparison of infiltration models to simulate flood events at the field scale
N. Chahinian, R. Moussa, P. Andrieux and M. Voltz. 191
Twentieth-century decline in streamflows from the hydrographic apex of North America
S. B. Rood, G. M. Samuelson, J. K. Weber and K. A. Wywrot 215
Generic probability distribution of rainfall in space: the bivariate model
H. D. Herr and R. Krzysztofowicz 234
Low flow estimates from short stream flow records—a comparison of methods
G. Laaha and G. Blöschl 264
Spatial modelling of the impact of climate variability on the annual soil moisture regime in a mechanized Mediterranean vineyard
M. C. Ramos and M. Mulligan. 287
Drought in groundwater—drought distribution and performance indicators
E. Peters, H. A. J. van Lanen, P. J. J. F. Torfs and G. Bier 302

doi:10.1016/S0022-1694(05)00165-4